

List of Independent Claims

For the Examiner's convenience, Applicants include this list of the set of independent claims filed on August 14, 2001 in 09/507,968.

26. (New) An isolated protein comprising an amino acid sequence selected from the group consisting of:

- a) the amino acid sequence of amino acid residues 1 to 285 of SEQ ID NO:2;
- b) the amino acid sequence of amino acid residues 1 to 46 of SEQ ID NO:2;
- c) the amino acid sequence of amino acid residues 47 to 72 of SEQ ID NO:2; and
- d) the amino acid sequence of amino acid residues 73 to 285 of SEQ ID NO:2.

39. (New) An isolated protein comprising a first amino acid sequence that is 90% or more identical to a second amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of amino acid residues 1 to 285 of SEQ ID NO:2;
- (b) the amino acid sequence of amino acid residues 1 to 46 of SEQ ID NO:2;
- (c) the amino acid sequence of amino acid residues 47 to 72 of SEQ ID NO:2; and
- (d) the amino acid sequence of amino acid residues 73 to 285 of SEQ ID NO:2.

57. (New) An isolated protein comprising an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274 to 284; and

(c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein said protein specifically binds to an antibody that specifically binds the protein of SEQ ID NO:2.

78. (New) An isolated protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;

(b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274 to 284; and

(c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284; and

wherein said protein specifically binds to an antibody that specifically binds the protein of SEQ ID NO:2.

103. (New) An isolated protein comprising the amino acid sequence of amino acid residues 191-285 of SEQ ID NO:2, wherein said protein specifically binds an antibody that binds the protein of SEQ ID NO:2.

124. (New) An isolated protein consisting of the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.

142. (New) An isolated protein comprising the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.

160. (New) An isolated protein that is 90% or more identical to an amino acid sequence consisting of amino acid residues 134-285 of SEQ ID NO:2, wherein said protein specifically binds an antibody that specifically binds the protein of SEQ ID NO:2.

178. (New) An isolated protein that is 90% or more identical to an amino acid sequence comprising amino acid residues 134-285 of SEQ ID NO:2, wherein said protein specifically binds an antibody that specifically binds the protein of SEQ ID NO:2.

196. (New) An isolated protein comprising a fragment of the polypeptide of SEQ ID NO:2, wherein said fragment modulates leukocyte proliferation or differentiation.

213. (New) An isolated protein comprising an amino acid sequence of at least 9 contiguous amino acid residues of SEQ ID NO:2 wherein said protein specifically binds an antibody that specifically bind the polypeptide of SEQ ID NO:2.

232. (New) An isolated protein which comprises an amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of amino acid residues 115 to 147 of SEQ ID NO:2;

(b) the amino acid sequence of amino acid residues 150 to 163 of SEQ ID NO:2;

(c) the amino acid sequence of amino acid residues 171 to 194 of SEQ ID NO:2;

(d) the amino acid sequence of amino acid residues 223 to 247 of SEQ ID NO:2; and

(e) the amino acid sequence of amino acid residues 271 to 278 of SEQ ID NO:2.

wherein said protein specifically binds to an antibody that specifically binds the polypeptide of SEQ ID NO:2.

247. (New) An isolated protein comprising an amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of an amino-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said amino-terminal deletion protein mutant excludes up to 190 amino acid residues from the amino terminus of said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768;

(b) the amino acid sequence of a carboxy-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said carboxy-terminal deletion protein mutant excludes up to 11 amino acid residues from the carboxy terminus of said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768; and

(c) the amino acid sequence of an amino- and carboxy-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said amino- and carboxy-terminal deletion protein mutant excludes up to 190 amino acid residues from the amino terminus and up to 11 amino acid residues from the carboxy terminus of said said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768;

wherein said protein specifically binds an antibody that specifically binds the polypeptide encoded by the cDNA clone contained in ATCC Deposit Number 97768.

268. (New) An isolated protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of an amino-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said amino-terminal deletion protein mutant excludes up to 190 amino acid residues from the amino terminus of said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768;

(b) the amino acid sequence of a carboxy-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said carboxy-terminal deletion protein mutant excludes up to 11 amino acid residues from the carboxy terminus of said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768; and

(c) the amino acid sequence of an amino- and carboxy-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said amino- and carboxy-terminal deletion protein mutant excludes up to 190 amino acid residues from the amino terminus and up to 11 amino acid residues from the carboxy terminus of said said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768;

wherein said protein specifically binds an antibody that specifically binds the polypeptide encoded by the cDNA clone contained in ATCC Deposit Number 97768.

290. (New) An isolated protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence consisting of the amino acid sequence of an amino-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said amino-terminal deletion protein mutant excludes up to 133 amino acid residues from the amino terminus of said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, and wherein said isolated protein specifically binds an antibody that specifically binds the protein of SEQ ID NO:2.

307. (New) An isolated protein consisting of a first amino acid sequence that is 95% or more identical to a second amino acid sequence consisting of the amino acid sequence of an amino-terminal deletion protein mutant of the full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said amino-terminal deletion protein mutant excludes up to 133 amino acid residues from the amino terminus of said full-length protein encoded by the cDNA clone contained in ATCC Deposit Number 97768, and wherein said isolated protein specifically binds an antibody that specifically binds the protein of SEQ ID NO:2.

324. (New) An isolated protein comprising a fragment of the polypeptide encoded by the cDNA clone contained in ATCC Deposit Number 97768, wherein said fragment modulates leukocyte proliferation or differentiation.

341. (New) An isolated protein comprising an amino acid sequence of at least 9 contiguous amino acid residues of the polypeptide encoded by the cDNA clone contained in ATCC Deposit Number 97768 wherein said protein specifically binds an antibody that specifically binds the polypeptide encoded by the cDNA clone contained in ATCC Deposit Number 97768.